

DATE: 9/19/2019

FILE: P.I.# 0015566
Talbot County / GDOT District 3 - Thomaston
Bridge Replacement - SR 190 @ NS # 718623W
2.5 miles West of Manchester

FROM:  for Brent Story, State Design Policy Engineer

TO: SEE DISTRIBUTION

SUBJECT: APPROVED CONCEPT REPORT

Attached is the approved Concept Report for the above subject project.

Attachment

Distribution:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3
Albert Shelby, Director of Program Delivery
Carol Comer, Director, Division of Intermodal
Darryl VanMeter, Assistant Director of P3/State Innovative Delivery Administrator
Kim Nesbitt, Program Delivery Administrator
Bobby Hilliard, Program Control Administrator
Paul Tanner, State Transportation Planning Administrator
Eric Duff, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Erik Rohde, State Project Review Engineer
Monica Flournoy, State Materials Engineer
Patrick Allen, State Utilities Engineer
Eric Conklin, State Transportation Data Administrator
Attn: Systems & Classification Branch
Benny Walden, Statewide Location Bureau Chief
Michael Presley, District Engineer
Adam Smith, District Preconstruction Engineer
Scott Parker, District Utilities Manager
Johnathan Barnette, Project Manager
BOARD MEMBER - 2nd Congressional District



Limited Scope Project Concept Report

Project Type: Bridge Replacement P.I. Number: 0015566
GDOT District: 3 County: Talbot
Federal Route Number: State Route Number: 190
Project Number:

SR 190 @ NS #718623 W 2.5 MI W OF MANCHESTER

Updated to address Review Comments on 8-15-2019 & updated survey on 9-13-2019

Submitted for approval:

Benjamin F. Rabe III

7/15/2019

Consultant Designer, Volkert, Inc.

Hamberly W. Y. Jacobell

Date 7/17/19

State Program Delivery Administrator

[Signature] SHP

Date

7/15/2019

GDOT Project Manager

* Recommendations on file

Date

Recommendation for approval:

* Eric Duff/KLP

7-19-2019

State Environmental Administrator

Date

* Chris Raymond/KLP

7-18-2019

For State Traffic Engineer

Date

* Bill DuVall/KLP

7-18-2019

State Bridge Engineer

Date

* Michael Presley/KLP

7-31-2019

District Engineer

Date

☐ MPO Area: This project is consistent with the MPO adopted Regional Transportation Plan (RTP)/Long Range Transportation Plan (LRTP).

☒ Rural Area: This project is consistent with the goals outlined in the Statewide Transportation Plan (SWTP) and/or is included in the State Transportation Improvement Program (STIP).

R. Paul Tanner

7-23-19

State Transportation Planning Administrator

Date

Approval:

Concur:

Hind Patel

GDOT Director of Engineering

09/19/19

Date

Approve:

Margaret B. Pickle

GDOT Chief Engineer

9/19/19

Date

* Alan Hood, Airport Safety Data Program Manager, recommended on 7-19-2019/KLP

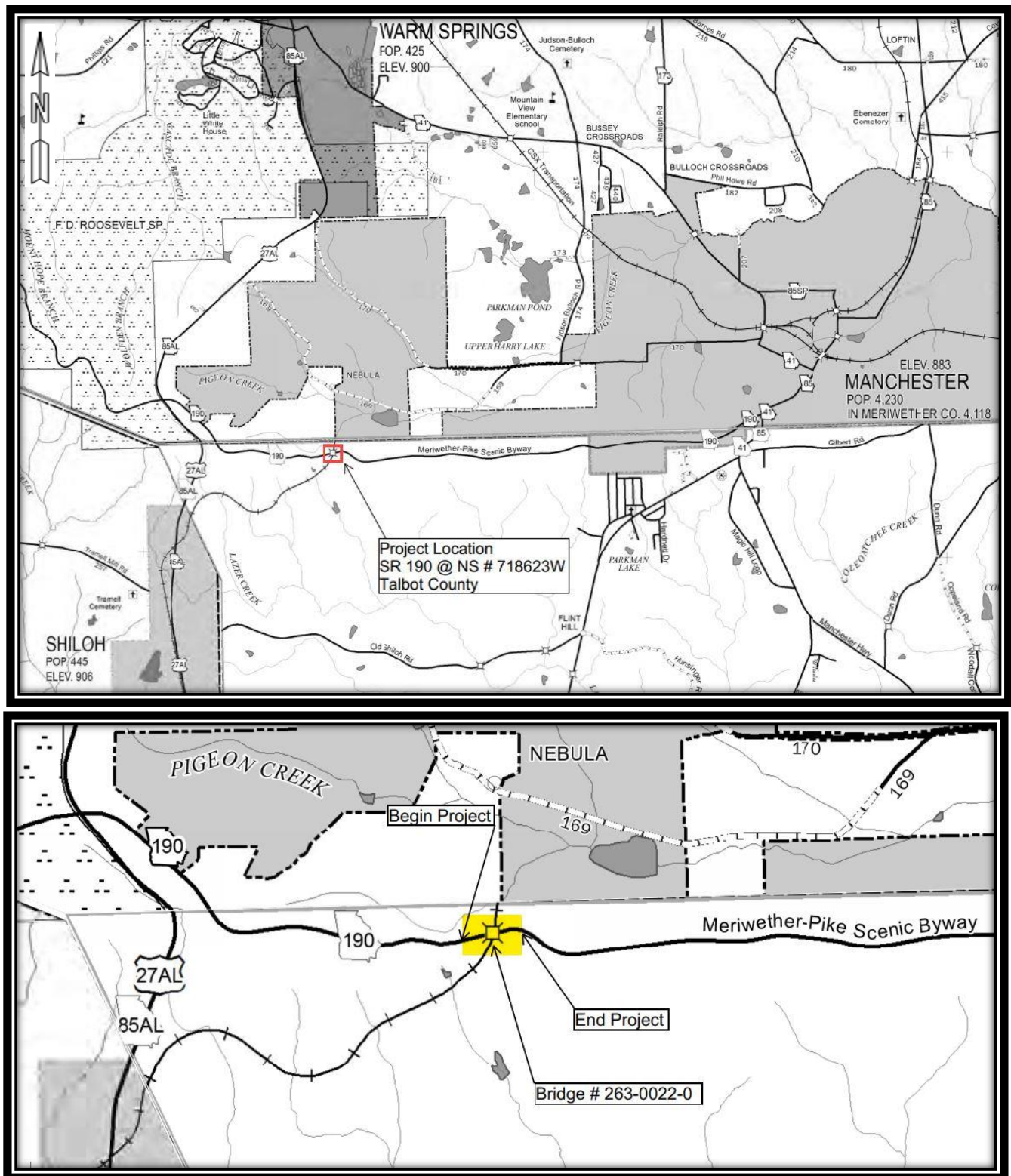
* Monica Flournoy, State Materials Engineer, recommended on 8-2-2019/KLP

* Erik Rohde, State Project Review Engineer, recommended on 8-24-2019/KLP

* Stevonn Dilligard, State Utility Construction Engineer (corrections made pends recommend)
on 9-17-2019

County: Talbot

PROJECT LOCATION MAP



County: Talbot

PLANNING & BACKGROUND DATA

Project Justification Statement:

The bridge on State Route 190 over Norfolk Southern Railway, Structure ID 263-0022-0 was built in 1955. The bridge consists of a one span deck truss on concrete abutments. The design vehicle used was an H-15 truck, which is below current standards. In addition, this bridge is considered fracture critical. The overall condition of the bridge is fair. The deck is in good condition with minor shrinkage cracks and abrasion wear. The superstructure is in fair condition with exterior beams having moderate to heavy surface corrosion. The top chord contains moderate surface corrosion with the diagonal and vertical members having moderate surface corrosion along the deck underside. The substructure is in satisfactory condition, with vertical cracking on the back wall on both abutments. Due to the age of the structure, not meeting current design standards, and the classification of fracture critical, replacement of this bridge is recommended.

Existing conditions:

The existing typical section on SR 190 @ NS #718623 W 2.5 miles west of Manchester consists of two 12-foot travel lanes, one in each direction. Additionally, SR 190 consists of structure 263-0022-0, which is a bridge that consists of a single span steel deck truss reinforced concrete slabs with metal shell pile bents. The bridge length is 112 feet long and 23.8 feet wide from curb-curb.

Other projects in the area:

PI 0007044, SR 85 @ CS 811/LANE STREET IN MANCHESTER

PI 321880-, SR 41 @ CSX RAILROAD W OF WARM SPRINGS

MPO: MPO Name N/A

TIP #: N/A

Congressional District(s): 2

Federal Oversight: ☐PoDI ☒Exempt ☐State Funded ☐Other

Projected Traffic: AADT 24 HR T: 4.5%
Current Year (2019): 375 Open Year (2024): 375 Design Year (2044): 425
Traffic Projections Performed by: Volkert Inc.

Date approved by the GDOT Office of Planning: 05 Aug 2019

AASHTO Functional Classification (Mainline): Minor Arterial

AASHTO Context Classification (Mainline): Rural

AASHTO Project Type (Mainline): Construction on existing roads

Complete Streets - Bicycle, Pedestrian, and/or Transit Standards Warrants:

Warrants met: ☒None ☐Bicycle ☐Pedestrian ☐Transit

Pavement Evaluation and Recommendations

Initial Pavement Evaluation Summary Report Required? ☒No ☐Yes
Feasible Pavement Alternatives: ☒HMA ☐PCC ☐HMA & PCC

County: Talbot

DESIGN AND STRUCTURAL

Description of Proposed Project:

The project proposes to replace the bridge on SR 190 @ @ NS #718623W in Talbot County (located 2.5 MI W OF MANCHESTER). The total length of the project is approximately 1400', beginning 530 feet west of the existing bridge and ending 750' east of the existing bridge. The proposed bridge will be built in the same location as the existing bridge. The proposed bridge will be a single span bridge, approximately 120 ft long by 39.25 ft wide over the abandoned railbed and will be constructed on the existing alignment. Traffic currently utilizing SR 190 as a through route will utilize an off-site detour.

Major Structures:

Structure	Existing	Proposed
263-0022-00	Single span deck truss; 112 ft length; 23.8 ft deck width; 30.3 ft out-to-out; two 12 ft lanes; sufficiency rating of 62.3	Single span 120 ft length; 39.25 ft deck width; two 12 ft lanes; 6 ft shoulders

Accelerated Bridge Construction (ABC) techniques anticipated: ☒ No ☐ Yes

Multiple techniques are applicable to this project but it is unlikely that they will be utilized due to the small project size.

Prefabricated Bridge Elements and Systems (PBES): Utilizing PBES would help to decrease off-site detour, and on-site construction times by allowing the existing roadway to remain open to the public until the fabricated elements are completed and ready to be transported to the site.

Fast Track Contracting: Utilizing a Design Build (DB) approach with relatively simple bridge replacement projects can decrease project time by performing most of the preliminary design upfront. This upfront work coupled with a design engineer and contractor working simultaneously can help to expedite the project delivery time, provided the final product parameters are clearly identified beforehand.

Is the project located on a NHS roadway? ☒ No ☐ Yes

Is the project located on a Special Roadway or Network? ☒ No ☐ Yes *Network Type*

County: **Talbot****Mainline Design Features:**

SR 190 @ NS #718623 W 2.5 MI W OF MANCHESTER

Feature	Existing	Policy	Proposed
Typical Section			
- Number of Lanes	2		2
- Lane Width(s)	12 ft	11-12 ft	12 ft
- Median Width & Type	N/A	N/A	N/A
- Outside Shoulder Width	6 ft	6 ft (2 ft paved)	6 ft (2 ft paved)
- Outside Shoulder Slope	6%	6 %	6%
- Sidewalks	N/A	N/A	N/A
- Auxiliary Lanes	N/A		N/A
- Bike Accommodations	N/A	N/A	N/A
Posted Speed	45 MPH		45 MPH
Design Speed	45 MPH	45 MPH	45 MPH
Minimum Horizontal Curve Radius	462	587	587
Maximum Superelevation Rate	8%	8%	8%
Maximum Grade	7%	6%	6% 7% *
Access Control	By Permit	By Permit	By Permit
Design Vehicle.....Roadway	Unknown		WB-67
.....Bridge	H-15		HL 93
Pavement Type	HMA		HMA

*According to current GDOT design policy if applicable

Design Exceptions/Design Variances to GDOT and/or FHWA Controlling Criteria anticipated: Yes. Design Variance is expected for Horizontal Curve Radius.

Design Variances to GDOT Standard Criteria anticipated: No

Lighting required: ☒ No ☐ Yes

Off-site Detours Anticipated: ☐ No ☐ Undetermined ☒ Yes

If yes: Roadway type to be closed: ☐ Local Road ☒ State Route
 Detour Route selected: ☐ Local Road ☒ State Route
 District Concurrence w/Detour Route: ☐ No/Pending ☒ Received 9/27/2019

Transportation Management Plan [TMP] Required: ☐ No ☒ Yes

If Yes: Project classified as: ☒ Non-Significant
 TMP Components Anticipated: ☒ TTC

INTERCHANGES AND INTERSECTIONS

Interchanges/Major Intersections: None

Intersection Control Evaluation (ICE) Required: ☒ No ☐ Yes

* After further review, it was determined that project is located in mountainous terrain. Maximum grade corrected to 7% on October 16, 2020. -DRP

County: **Talbot**

UTILITY AND PROPERTY

Railroad Involvement: GDOT RR Liaison has updated TPRO comments: “Norfolk Southern says they still own the property but that it is ABANDONED, so it can be purchased like any other property owner. NO RR COORD NEEDED.”

Utility Involvements:

- **Georgia Power**
- **Windstream**

SUE Required: ☒ No ☐ Yes

Public Interest Determination Policy and Procedure recommended? ☒ No ☐ Yes

Right-of-Way (ROW): Existing width: 100 ft. Approx. Proposed width: 160 ft.

Required Right-of-Way anticipated: ☐ None ☒ Yes ☐ Undetermined

Easements anticipated: ☐ None ☒ Temporary ☐ Permanent * ☐ Utility ☐ Other

** Permanent easements will include the right to place utilities.*

Anticipated total number of impacted parcels:	<u>5</u>
Businesses:	<u>0</u>
Displacements anticipated: 0	Residences: <u>0</u>
	Other: <u>0</u>
Total Displacements:	<u>0</u>

Location and Design approval: ☐ Not Required ☒ Required

Impacts to USACE property anticipated? ☒ No ☐ Yes ☐ Undetermined

CONTEXT SENSITIVE SOLUTIONS

Issues of Concern: None

Context Sensitive Solutions Proposed: None

ENVIRONMENTAL AND PERMITS

Anticipated Environmental Document: NEPA ~ CE

Level of Environmental Analysis:

- ☒ The environmental considerations noted below are based on preliminary desktop or screening level environmental analysis and are subject to revision after the completion of resource identification, delineation, and agency concurrence.
- ☐ The environmental considerations noted below are based on the completion of resource identification, delineation, and agency concurrence.

County: **Talbot****Water Quality Requirements:****MS4 Compliance – Is the project located in an MS4 area?** ☒ No ☐ Yes**Is Non-MS4 water quality mitigation anticipated?** ☒ No ☐ Yes**Environmental Permits, Variances, Commitments, and Coordination anticipated:**

The proposed project would require a Section 404 Permit if the wetlands, open waters, or ephemeral channel identified within the study area are impacted. Also, Buffer Variances would be required if any of the open waters identified within the study area are impacted.

Air Quality:Is the project located in an Ozone Non-attainment area? ☒ No ☐ YesCarbon Monoxide hotspot analysis required? ☒ No ☐ Yes**NEPA/GEPA Comments & Information:**

NEPA: The anticipated environmental document for the proposed project is a Categorical Exclusion. Early coordination has been conducted. A Section 4(f) evaluation would be needed if right-of-way is acquired from a historic resource.

Ecology: An Ecology report has not been finalized. However, early coordination with the Georgia Department of Natural Resources and US Fish and Wildlife Service has been conducted. Field surveys have also been completed. During the field survey, suitable habitat for one state endangered species along with two wetlands, two open waters, and one ephemeral channel were identified. A draft Ecology Resource Survey Report has been submitted to GDOT for review.

History: A History report has not been finalized. However, fieldwork has been completed and a Historic Resources Survey Report is currently being prepared. Two resources were identified during the field survey. The abandoned Norfolk Southern Railroad bed may be determined eligible for the NRHP, while the other resource is being recommended not eligible for the NHRP. It should be noted that historic resources are also considered Section 4(f) resources.

Archaeology: An archaeology report has not been finalized. However, the field survey did not result in the discovery of any archaeological sites that would be determined eligible for the NRHP.

Noise: A Noise study has not been prepared. A Type III assessment is anticipated.

Public Involvement: No public involvement has taken place. A public detour open house is anticipated, as the preferred alternative may require an off-site detour. The Public Information Open House (PIOH) date has yet to be determined.

County: **Talbot****COORDINATION, ACTIVITIES, RESPONSIBILITIES, AND COSTS**

Is Federal Aviation Administration (FAA) coordination anticipated?

☒ No☐ Yes**Project Meetings:**

Other coordination to date: None

Project Activity	Party Responsible for Performing Task(s)
Concept Development	Volkert Inc.
Design	Volkert Inc.
Right-of-Way Acquisition	GDOT District 3
Utility Coordination (Preconstruction)	GDOT District 3
Utility Relocation (Construction)	Utility Owner
Letting to Contract	GDOT Construction Bidding Administration
Construction Supervision	GDOT District 3
Providing Material Pits	Contractor
Providing Detours	Contractor
Environmental Studies, Documents, & Permits	Volkert Inc.
Environmental Mitigation	Volkert Inc.
Construction Inspection & Materials Testing	GDOT Office of Materials Testing

Project Cost Estimate Summary and Funding Responsibilities:

	PE Activities		ROW	Reimbursable Utilities	CST*	Total Cost
	PE Funding	Section 404 Mitigation				
Programmed Cost:	\$600,000		\$250,000	\$50,000	\$2,100,000	\$3,000,000
Funded By:	GDOT	GDOT	GDOT	GDOT	GDOT	
Estimated Amount:	\$600,000	\$3,232	\$136,000	\$50,000	\$2,054,359.85	\$2,843,591.85
Date of Estimate:	3/16/2017	7/15/2019	9/3/2019	7/22/2019	9/13/2019	
Cost Difference:	\$0	N/A	(\$114,000)	\$0	(\$45,640.15)	(\$156,408.15)

*CST Cost includes: Construction, Engineering and Inspection, Contingencies and Liquid AC Cost Adjustment.

County: Talbot

ALTERNATIVES DISCUSSION

Preferred Alternative: Construct new bridge on existing alignment using an off-site detour.

Estimated Property Impacts:	5	Estimated Total Cost:	\$2,843,591.85
Estimated ROW Cost:	\$ 136,000	Estimated CST Time:	12 months

Rationale: This alternative replaces the substandard fracture critical deck truss structure at approximately the same horizontal and vertical alignment as the existing bridge. This alternative provides the lowest construction costs and minimizes the need for additional rights-of-way and environmental impacts. Access to all properties will be maintained during the project construction. Coordination of the proposed detour route with Talbot County representatives yielded the following: School Board stated the SR 190 is not a school bus route; Board of Commissioners deferred to EMS; EMS acknowledged the 5 mile increase in response distance and affirmed support for the offsite detour by checking the box on the Detour Impact Form.

No-Build Alternative: Retain existing bridge.

Estimated Property Impacts:	None	Estimated Total Cost:	\$0
Estimated ROW Cost:	\$0	Estimated CST Time:	None

Rationale: This alternative would not meet the project justification of replacing a substandard fracture critical bridge.

Alternative 1: Permanent realignment of SR 190 by constructing a new bridge approximately 120 feet long by 39.25 feet wide over Norfolk Southern Railroad (closed) and offset approximately 50 feet north of the existing roadway centerline, maintaining traffic on the existing bridge during construction.

Estimated Property Impacts:	5	Estimated Total Cost:	\$3,065,865.22
Estimated ROW Cost:	\$ 138,000	Estimated CST Time:	18 months

Rationale: The limited benefits for maintaining traffic does not justify increased construction cost.

Additional Comments/ Information:

During the Project Kick-off Meeting with representatives of the Office of Program Delivery and the Bridge Design Office, an alternative regarding removal of the bridge and replacing with embankment fill was discussed. Due to the depth of the ravine (approximately 75'), the estimated footprint of this alternative would exceed 400' based on the typical section, clearzone, and 2:1 slopes with benching. The Bridge Office representatives recommended that the project remain a replacement project and that the embankment fill option not be considered as a practical alternative.

County: **Talbot**

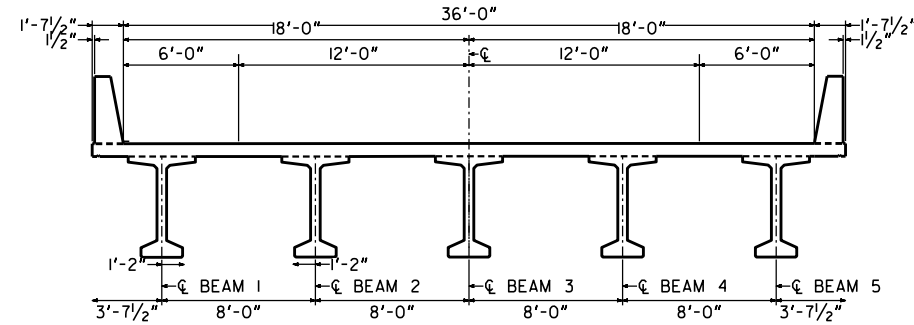
LIST OF ATTACHMENTS/SUPPORTING DATA

1. Concept Layout
2. Typical sections
3. Detailed Cost Estimates:
 - a. Construction including Engineering and Inspection and Contingencies
 - b. Revisions to Programmed Costs forms, & Liquid AC Cost Adjustment forms
 - c. Right-of-Way
 - d. Environmental Mitigation
 - e. Utilities
4. Concept Utility Report
5. Traffic diagrams or projections
6. S I & A Report(s)
7. Detour Impact Forms
8. Meeting Minutes
- 9. District Concurrence for Detour**



REVISION DATES

CONCEPT LAYOUT- PREFERRED ALTERNATIVE		
SR 190 @ NS # 718623W		
OFF SITE DETOUR - TALBOT COUNTY		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	CONCEPT
CORRECTED:	DATE:	
VERIFIED:	DATE:	



0015566 Existing Alignment Cost Estimate-Updated08142019.txt
STATE HIGHWAY AGENCY

DATE : 08/14/2019
PAGE : 1

JOB ESTIMATE REPORT

JOB NUMBER : 0015566 SPEC YEAR: 13
DESCRIPTION: SR 190 @ NS #718623 W 2.5 MI W OF MANCHESTER

ITEMS FOR JOB 0015566

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0001	150-1000		LS	TRAFFIC CONTROL - PI 0015566	1.000	80000.00	80000.00
0002	153-1300		EA	FIELD ENGINEERS OFFICE TP 3	1.000	94512.77	94512.77
0003	163-0232		AC	TEMPORARY GRASSING	2.000	676.65	1353.30
0004	163-0240		TN	MULCH	40.000	237.73	9509.60
0005	163-0300		EA	CONSTRUCTION EXIT	2.000	1963.00	3926.01
0006	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	1870.000	1.20	2256.87
0007	165-0101		EA	MAINT OF CONST EXIT	2.000	613.17	1226.35
0008	167-1000		EA	WATER QUALITY MONITORING AND SAMPLING	2.000	319.09	638.19
0009	167-1500		MO	WATER QUALITY INSPECTIONS	18.000	903.06	16255.21
0010	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	3800.000	3.95	15013.91
0011	210-0100		LS	GRADING COMPLETE - PI 0015566	1.000	150000.00	150000.00
0012	310-1101		TN	GR AGGR BASE CRS, INCL MATL	3203.000	39.89	127795.02
0013	402-1812		TN	RECYL AC LEVELING, INC BM&HL	30.000	81.22	2436.67
0014	402-3103		TN	REC AC 9.5 MM SP, TPII, GP2, INCL BM & H L	394.000	108.79	42864.16
0015	402-3121		TN	RECYL AC 25MM SP, GP1/2, BM&HL	632.000	109.20	69017.51
0016	402-3190		TN	RECYL AC 19 MM SP, GP 1 OR 2 , INC BM&HL	488.000	107.00	52216.07
0017	413-0750		GL	TACK COAT	288.000	2.57	740.16
0018	432-0205		SY	MILL ASPH CONC PVMT/ 1.25 DEP	172.000	3.92	674.24
0019	433-1000		SY	REINF CONC APPROACH SLAB	288.000	188.05	54159.01
0021	441-0301		EA	CONC SPILLWAY, TP 1	4.000	2626.17	10504.71
0023	540-1102		LS	REM OF EX BR, BR NO - PI 0015566	1.000	118776.00	118776.00
0024	543-9000		LS	CONSTR OF BRIDGE COMPLETE - PI 0015566	1.000	706500.00	706500.00
0025	550-1180		LF	STM DR PIPE 18,H 1-10	200.000	65.91	13183.42
0026	576-1010		LF	SLOPE DRAIN PIPE, 10 IN	100.000	36.73	3673.00
0028	634-1200		EA	RIGHT OF WAY MARKERS	15.000	148.23	2223.59
0029	641-1100		LF	GUARDRAIL, TP T	88.000	74.02	6514.59
0030	641-1200		LF	GUARDRAIL, TP W	1250.000	19.29	24122.95
0031	641-5001		EA	GUARDRAIL ANCHORAGE, TP 1	2.000	1409.13	2818.27
0032	641-5015		EACH	GUARDRL ANCHOR, TP 12A, 31 IN, TANG, E/A	2.000	3371.78	6743.56
0042	643-8200		LF	BARRIER FENCE (ORANGE), 4 FT	400.000	3.09	1239.50
0047	653-1501		LF	THERMO SOLID TRAF ST 5 IN, WHI	2560.000	0.88	2266.70

0015566 Existing Alignment Cost Estimate-Updated08142019.txt

STATE HIGHWAY AGENCY

DATE : 08/14/2019

PAGE : 2

JOB ESTIMATE REPORT

0052	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	2560.000	0.93	2403.89
0057	654-1001	EA	RAISED PVMT MARKERS TP 1	90.000	5.96	536.40
0067	700-6910	AC	PERMANENT GRASSING	3.000	1670.17	5010.52
0072	700-7000	TN	AGRICULTURAL LIME	6.000	142.89	857.40
0077	700-8000	TN	FERTILIZER MIXED GRADE	3.000	765.11	2295.33
0082	700-8100	LB	FERTILIZER NITROGEN CONTENT	135.000	4.37	590.86
0087	550-4218	EA	FLARED END SECT 18 IN, ST DR	4.000	677.08	2708.33
0092	657-6085	LF	PRF PL SD PVMT MKG,8,B/Y,TPPB	240.000	7.82	1876.97
0097	657-1085	LF	PRF PL SD PVT MKG,8,B/W,TP PB	240.000	8.23	1975.84
0102	456-2015	GLM	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	0.250	4024.17	1006.04
0107	632-0003	EA	CHANGEABLE MESS SIGN,PORT,TP 3	4.000	9641.34	38565.38
ITEM TOTAL						1680988.31
INFLATED ITEM TOTAL						1680988.30
TOTALS FOR JOB 0015566						
ESTIMATED COST:						1680988.30
CONTINGENCY PERCENT (15.0):						252148.25
ESTIMATED TOTAL:						1933136.55

Interoffice Memo

FILE

PI NUMBER	0015566	PROJECT DESCRIPTION	SR 190 @ NS #718623 W 2.5 MI W OF MANCHESTER
OFFICE	Office of Program Delivery		
DATE	Friday, September 13, 2019		

From: Kimberly Nesbitt

To: Erik Rohde, P.E., State Project Review Engineer
via email Mailbox: CostEstimatesandUpdates@dot.ga.gov

Subject: REVISIONS TO PROGRAMMED COSTS

Project Manager:	Jonathan Barnett
Management Let Date:	6/15/2022
Management Right of Way Date:	3/15/2021

Summary of Programmed Costs and Proposed Revised Costs:

Estimate Type	Programmed Costs (T-Pro Without Inflation)	Last Estimate Date	Revised Cost Estimate
CONSTRUCTION	\$2,100,000.00	03/16/2017	\$2,054,359.85
RIGHT OF WAY	\$250,000.00	03/16/2017	\$136,000.00
UTILITIES	\$50,000.00	03/16/2017	\$50,000.00

Explanation for Cost Increase and Contingency Justification:


This is the Concept Cost Estimate and represents the initial CES estimate

Attachments:

CES Cost Estimate

Interoffice Memo

Design Phase Leader Validation of Final QC/QA for Construction Cost Estimate Used In This Revision to Programmed Costs:

Consultant Company or GDOT Design Office:	Volkert, Inc.
Printed Name:	Benjamin F. Rabun, III
Title:	Vice President
Signature:	
Date:	13-Sep-19

[illegible]

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 9/3/2019

Project: SR 190 @ NS # 718623

Revised:

County: Talbot

PI: 0015566

Description: Bridge Replacement Preferred Alignment (Replacement over Existing)
Project Termini: SR 190 - 2.5 miles West of Manchester

Parcels: 5

Existing ROW: Varies

Required ROW: Varies

Land and Improvements \$13,214.70

Proximity Damage \$0.00
Consequential Damage \$0.00
Cost to Cures \$0.00
Trade Fixtures \$0.00
Improvements \$3,000.00

Valuation Services \$21,875.00

Legal Services \$40,875.00

Relocation \$15,000.00

Demolition \$0.00

Administrative \$45,000.00

TOTAL ESTIMATED COSTS \$135,964.70

TOTAL ESTIMATED COSTS (ROUNDED) \$136,000.00

Prepared By:

John A. Albrycht
Print Name

John A. Albrycht
Signature

9/13/19
Date

Cost Estimation Supervisor :

Print Name

Signature

Date

NOTE: Supervisor is only attesting that the estimate was completed using the correct information provided for the the project. The Supervisor is not attesting to property values or the accuracy of the market value estimations provided in this report. No Market Appreciation is included in this Preliminary Cost Estimate.

Comments: None

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

SR 190 @ NS # 718623 Talbot

0015566

	A	B	C	D	
	Land and Improvements	Agriculture	Residential	Commercial	Industrial
1	Estimate Low (ac)	\$0.00	\$1,950.00	\$0.00	\$0.00
2	Estimate High (ac)	\$0.00	\$3,055.00	\$0.00	\$0.00
3	Estimate Used (ac)	\$0.00	\$3,000.00	\$0.00	\$0.00
4	Fee Simple Area (ac)	0.00	1.94	0.00	0.00
5	Fee Simple Estimate	\$0.00	\$5,809.80	\$0.00	\$0.00
6	Perm Esmt Area (ac)	0.00	0.00	0.00	0.00
7	Perm Esmt Factor	75%	75%	75%	75%
8	Perm Esmt Estimate	\$0.00	\$0.00	\$0.00	\$0.00
9	Temp Esmt Area (ac)	0.00	0.00	0.00	0.00
10	Temp East Factor	40%	40%	40%	40%
11	Temp Esmt Estimate	\$0.00	\$0.00	\$0.00	\$0.00
12	Proximity Damages	\$0.00	\$0.00	\$0.00	\$0.00
13	Consequential Damages	\$0.00	\$0.00	\$0.00	\$0.00
14	Cost to Cures	\$0.00	\$0.00	\$0.00	\$0.00
15	Improvements	\$0.00	\$3,000.00	\$0.00	\$0.00
16	Trade Fixtures	\$0.00	\$0.00	\$0.00	\$0.00
17					
18	PROPERTY TYPE TOTALS	\$0.00	\$8,809.80	\$0.00	\$0.00
19		SUB TOTAL PROPERTY TYPES			\$8,809.80
20		Counter Offers and Condemnation Increases			\$4,404.90
21					
22		GRAND TOTAL LANDS AND IMPROVEMENTS			\$13,214.70

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

SR 190 @ NS # 718623 Talbot

0015566

	A	B	C	D	
	Valuation Services	Agriculture	Residential	Commercial	Industrial
1	Appraisals (# of Parcels)	0	5	0	0
2	Estimated Fees (per Parcel)	\$3,000.00	\$3,500.00	\$5,000.00	\$5,000.00
3	TOTAL APPRAISALS	\$0.00	\$17,500.00	\$0.00	\$0.00
4	Sign Estimates	0	0	0	0
5	Estimated Fees	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
6	TOTAL SIGN ESTIMATES	\$0.00	\$0.00	\$0.00	\$0.00
7	Specialty Reports	0	0	0	0
8	Estimated Fees	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00
9	TOTAL SPECIALTY REPORTS	\$0.00	\$0.00	\$0.00	\$0.00
10	Septic/Well Reports	0	0	0	0
11	Estimated Fees	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00
12	TOTAL SEPTIC/WELL REPORTS	\$0.00	\$0.00	\$0.00	\$0.00
13					
14					
15					
16	TOTAL VALUATION FEES	\$0.00	\$17,500.00	\$0.00	\$0.00
17	SUB TOTAL VALUATION SERVICES			\$17,500.00	
18	Updates and Incidentals (Min \$2,500 or 25%)			\$4,375.00	
19	GRAND TOTAL VALUATION SERVICES			\$21,875.00	

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

SR 190 @ NS # 718623 Talbot

0015566

	A	B	C	D
	Legal Services	Parcels	Estimated Fees	TOTALS
1	Meeting with Attorney	5	\$125.00	\$625.00
2	Preliminary Titles	5	\$200.00	\$1,000.00
3	Closing and Final Title	5	\$300.00	\$1,500.00
4	Recording Fees	5	\$50.00	\$250.00
5	Condemnation Filing	1	\$5,000.00	\$5,000.00
6	Litigation Costs	1	\$25,000.00	\$25,000.00
7	Updates and Incidentals	1	\$7,500.00	\$7,500.00
8				
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL LEGAL SERVICES			\$40,875.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

SR 190 @ NS # 718623 Talbot

0015566

	A	B	C	D
	Relocation	Displacements	Estimated Costs	TOTALS
1	Business Displacement	0	\$30,000.00	\$0.00
2	Residential Tenant	0	\$35,000.00	\$0.00
3	Residential Owner	0	\$55,000.00	\$0.00
4	Pro-Rata Taxes	5	\$1,500.00	\$7,500.00
5	Property Pin Replacement	5	\$1,500.00	\$7,500.00
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL RELOCATION			\$15,000.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

SR 190 @ NS # 718623 Talbot

0015566

	A	B	C	D
	Demolition	Items/Improvements	Estimated Costs	TOTALS
1	Residential Structures	0	\$15,000.00	\$0.00
2	Commercial Structures	0	\$25,000.00	\$0.00
3	Hotels/Apartments	0	\$60,000.00	\$0.00
4	UST's - Dispensers	0	\$50,000.00	\$0.00
5	Billboards	0	\$8,000.00	\$0.00
6	Signs - Light Standards	0	\$1,500.00	\$0.00
7	Water Vaults	0	\$15,000.00	\$0.00
8	Gas/Water Service Separation	0	\$2,500.00	\$0.00
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL DEMOLITION			\$0.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

SR 190 @ NS # 718623 Talbot

0015566

	A	B	C	D
	Administrative	Parcels	Man hours per Parcel	TOTALS
1	Pre-Acquisition	5	40	\$10,000.00
2	Acquisition	5	100	\$25,000.00
3	Relocation	0	50	\$0.00
4	Administrative Appeals	2	50	\$5,000.00
5	Post-Acquisition	1	100	\$5,000.00
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL INHOUSE			\$45,000.00

DATE: July 15, 2019
FROM: Thomas Lee
RE: PI 0015566 Mitigation Credit Cost Estimates

TO: Ben Rabun
CC: Katie Vera

Stream impacts and mitigation were estimated based on the required and temporary ROW needed for the off-site detour and on-site detour using the USACE 2018 Standard Operating Procedures (SOP). Impacts were estimated based on the “worst case scenario” for each of the alternatives, which includes assuming the entire feature (stream) within required or temporary easement would be impacted (filled). In addition, it was assumed that all resources were considered high quality.

The project is located within HUC8: 03130005, Upper Flint River in Talbot County. The cost was estimated using the 2018 USACE SOP worksheets and GDOT estimated costs for mitigation credits (May 2019). Costs are summarized in Table 1.

Because this estimation is based on a “worst case scenario”, it is expected that when plans are developed, the actual impacts and associated mitigation costs will decrease from this estimation.

Table 1. Summary of Impacts and Mitigation			
Alternative	Stream Length of Impact (L.F.)	2018 Credits	Cost (\$32/credit)
Off-site detour	101	101	\$3,232
On-site detour	28	28	\$896
Permanent re-alignment	N/A	N/A	N/A
Alternative	Wetland Acres of Impacts (ac.)	2018 Credits	Cost (\$50,000/credit)
Off-site detour	N/A	N/A	N/A
On-site detour	N/A	N/A	N/A
Permanent re-alignment	N/A	N/A	N/A



Interoffice Memo

DATE: July 22, 2019

FROM: *SKP* Scott Parker, District Utilities Manager

TO: Jonathan Barnett, Project Manager

SUBJECT: **PRELIMINARY UTILITY COST ESTIMATE** PI: 0015566 Talbot County
SR 190 @ NS #718623W 2.5 miles West of Manchester

A review of utilities located on the above referenced project has been conducted with Concept Layout plans. Listed below is a breakdown of the anticipated reimbursable and non-reimbursable cost.

<u>Utility Owner</u>	<u>Reimbursable</u>	<u>Non-Reimbursable</u>	<u>Estimate Based on</u>
Georgia Power	\$50,000.00	\$0.00	Preliminary info from Utility
Windstream	\$0.00	\$8,095.58	Preliminary info from Utility
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
Total 0.00%	\$50,000.00	\$8,095.58	
Department Responsibility 100.00%	\$0.00	\$0.00	
Local Sponsor Responsibility 0.00%	\$0.00	\$0.00	PFA Dated N/A with N/A

** Indicates Potential Utility Aid Request from Local Gov't

Estimate is based on the best available information at the current stage, unforeseen prior rights information may be provided by the Utility Company at a later date that could cause some non-reimbursable costs to shift to the reimbursable cost column.

If additional information is needed, please contact Rodney Peoples at 706-646-7667.

cc: Patrick Allen, P.E. State Utilities Administrator
Yulonda Pride-Foster, Utilities Preconstruction Manager
Vahid Munshi, State Utilities Office

Concept Utility Report

Project Number: [Click here to enter text.](#)

District: 3

County: Talbot

Prepared by: Rodney Peoples

P.I. # 0015566

Date: [Click here to enter text.](#)

Project Description: SR 190 @ NS #718623W 2.5 Miles West Of Manchester

The information provided herein has been gathered from Georgia811and/or field visits and serves as an estimate. Nothing contained in this report is to be used as a substitute for 1st Submission or SUE.

Are SUE services recommended? No

Level: ☐A ☐B ☐C ☐D

Public Interest Determination (PID):

☐Automatic ☐Mandatory ☐Consideration ☒No Use ☐Exempt

Is a separate utility funding phase recommended? No

Potential Project (Schedule/Budget) Impacts: None

Capital Improvement Projects (Utilities) Anticipated in the Area: None

Project Specific Recommendations for Avoidance/Mitigation: None

Right of Way Coordination: Purchase permannent easement with the right to place utilities.

Environmental Coordination: [Click here to enter text.](#)

Additional Remarks: [Click here to enter text.](#)

Utilities have facilities within the project limits.

Utilities have been identified using Georgia811 and/or field visits.

Facility Owner	Facility Owner Contact Email Address	Existing Facilities/ Appurtenances	General Description of Location	Facilities to Avoid <i>approx. limits</i>	Facilities Retention Recommended <i>approx. limits</i>	Comments
Ga. Power	emullis@southernco.com	Overhead	South side of SR 190	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Note: To add additional rows, click the bottom right corner of the box above, then click the blue + that will appear. Please add additional rows prior to entering text.

FILE: Talbot County
P.I. # 0015566

DATE: August 5, 2019

FROM: Paul Tanner, State Transportation Planning Administrator

TO: Kimberly Nesbitt, State Program Delivery Administrator
Attention: Jonathan Barnett

SUBJECT: Design Traffic Forecasts for SR 190 @ NS #718623 W 2.5 MI W OF MANCHESTER

Per request, we have reviewed the consultant's design traffic forecasts for the above project. Based on the information furnished, we find the design traffic forecasts to be satisfactory, and the design traffic forecasting task to be complete for the above project. The reviewed and approved design traffic forecasts for the above project are as follows:

BRIDGE ID # 263-0022-0

Build = No Build	2019 (Existing Year)	2024 (Base Year)	2026 (Base Year +2)	2044 (Design Year)	2046 (Design Year + 2)
AADT	375	375	400	425	425
DHV (AM/PM)	25/ 25	25/ 25	25/ 30	25/ 30	25/ 30
K% (AM/PM)	6.0%/ 7.0%	Same as Existing Year			
D% (AM/PM)	59.0%/ 57.5%				
24 HR. T% - S.U.	3.0%				
24 HR. T% - COMB.	1.5%				
24 HR. T% - TOTAL	4.5%				
T% - S.U. (AM/PM)	7.5%/ 3.5%				
T% - COMB. (AM/PM)	0.0%/ 0.0%				
T% - TOTAL (AM/PM)	7.5%/ 3.5%				

If you have any questions concerning this information, please contact Andre Washington at 404-631-1925.

Nithin Gomez
Gresham Smith
Design Traffic Review Consultant to GDOT
678-478-3350
RPT/NMG

Georgia Department of Transportation Bridge Inventory Data Listing

Processed Date:Jun-28-2019 17:35:42 PM

Parameters: Bridge Serial Number

Bridge Serial Number: 263-0022-0

County: Talbot

SUFF. RATING: 73.4

Location & Geography

Structure ID: 263-0022-0
 200 Bridge Information: 06
 *6 Feature Intersected: NS RR (ABANDONED)
 *7A Route Number Carried: SR00190
 *7B Facility Carried: SR 190
 9 Location: 2.5 MI W OF MANCHESTER
 2 GDOT District: 4841300000 - D3 District Three Thomaston
 *91 Inspection Frequency: 24 Date: Mar-05-2018
 92A Fracture Critical Insp. Freq: 24 Date: May-07-2019
 92B Underwater Insp Freq: 0 Date: Feb-01-1901
 92C Other Spc. Insp Freq: 0 Date: Feb-01-1901
 * 4 Place Code: 00000
 *5A Inventory Route(O/U): 1
 5B Route Type: 3 - State
 5C Service Designation: 1- Mainline
 5D Route Number: 00190
 5E Directional Suffix: 0. Not applicable
 *16 Latitude: 32 - 50.5944
 *17 Longitude: 84 - 40.6320
 98A Border Bridge: 0 98B: GA% 00
 99 ID Number: 000000000000000
 *100 STRAHNET: 0- The Feature is not a STRAHNET route.
 12 Base Highway Network: Yes
 13A LRS Inventory Route: 2631019000
 13B Sub Inventory Route: 0
 101 Parallel Structure: N. No parallel structure exists
 *102 Direction of Traffic: 2- Two Way
 *264 Road Inventory Mile Post: 0.91
 *208 Inspection Area: Area 03
 *104 Highway System: 0- Inventory Route is not on the NHS
 *26 Functional Classification: 6- Rural - Minor Arterial
 *204A Federal Route Type: F - Primary.

 *204B Federal Route Number: 01531

 105 Federal Lands Highway: 0. Not applicable

 *110 Truck Route: 0- The Feature is not part of the National Network for Trucks
 217 Benchmark Elevation: 0000.00
 * Location ID No: 263-00190D-000.95E

218 Datum:

*19 Bypass Length: 16
 *20 Toll: 3- On a Free Road or Non-Highway
 *21 Maintenance Responsibility: 01-State Highway Agency.
 *22 Owner: 01-State Highway Agency.
 *31 Design Load: 2- H 15
 37 Historical Significance: 5- Not eligible for the National Register of Historic Places
 205 Congressional District: 002
 27 Year Constructed: 1955
 106 Year Reconstructed: 0
 33 Bridge Median: 0-None
 34 Skew: 0
 35 Structure Flared: No
 38 Navigation Control: N- Bridge is not over water
 213 Special Steel Design: 9- Truss
 267A Type Paint Super Structure: 5- Waterborne System (Type VI or VII) Year : 2002
 267B Type Paint Sub Structure: 0- Not Applicable Year : 0000
 *42A Type of Service On: 1-Highway
 *42B Type of Service Under: 0-Other
 214A Movable Bridge: 0
 214B Operator on Duty: 0
 203 Type Bridge: A- Spread footing. O. Concrete M. Steel O. Concrete
 259 Pile Encasement: 3
 *43A Structure Type Main material: 3-Steel
 *43B Structure Type Main Type: 9-Truss - Deck
 45 Number of Main Spans: 1
 44 Structure Type Approach: A:0- Other B: 0- Other
 46 Number of Approach Spans: 0
 226 Bridge Curve: A: Vertical: YesB: Horizontal: No
 111 Pier Protection: N - Navigation Control item coded 0, or Feature not a waterway
 107 Deck Structure Type: 1 - C-I-P Portland Cement Concrete - Epoxy Coated Rebars
 108A Wearing Surface Type: 1. Concrete
 108B Membrane Type: 0. None

 108C Deck Protection: 8. Unknown

 265 Underwater Inspection Area: 0

0- Not Applicable

Signs & Attachments

225 Expansion Joint Type: 01- Armored joint (sliding plates).
 242 Deck Drains: 0- None.
 243A Parapet Location: 0- None present.
 243B Parapet Height: 0.00
 243C Parapet Width: 0.00
 238A Curb Height: 0.8
 238B Curb Material: 1- Concrete.
 239A Handrail Left: 1- Concrete.
 239B Handrail Right: 1- Concrete.
 *240 Median Barrier Rail: 0- None.
 241A Bridge Median Height: 0
 241B Bridge Median Width: 0
 *230A Guardrail Location Direction Rear: 3- Both sides.
 *230B Guardrail Location Direction Fwrd: 3- Both sides.
 *230C Guardrail Location Opposing Rear: 0- None.
 *230D Guardrail Location Opposing Fwrd: 0- None.
 244 Approach Slab: 3- Forward and Rear.
 224 Retaining Wall: 1- Cast-in-Place Concrete.
 233 Posted Speed Limit: 45
 236 Warning Sign: Yes
 234 Delineator: Yes
 235 Hazard Boards: Yes
 237A Gas: 00- Not Applicable
 237B Water: 00- Not Applicable
 237C Electric: 00- Not Applicable
 237D Telephone: 00- Not Applicable
 237E Sewer: 00- Not Applicable
 247A Lighting: Street: No
 247B Navigation: No
 247C Aerial: No
 *248 County Continuity No.: 00
 36A Bridge Railings: 2- Inspected feature meets acceptable construction date standards.
 36B Transition: 2- Inspected feature meets acceptable construction date standards.
 36C Approach Guardrail: 2- Inspected feature meets acceptable construction date standards.
 36D Approach Guardrail Ends: 2- Inspected feature meets acceptable construction date standards.

Georgia Department of Transportation

Bridge Inventory Data Listing

Processed Date:Jun-28-2019 17:35:42 PM

Bridge Serial Number: 263-0022-0

County: Talbot

SUFF. RATING: 73.4

Programming Data

201 Project Number: BA (2) 1715-B (8)
 202 Plans Available: 4- Plans in InfoImage/GAMS
 249 Proposed Project Number: 000000000000000000000000
 250A Reconstruction Approval Status: No
 250B Route Approval Status: No
 250C Approval Status Definition: 0
 250D Approval Status Federal: 0
 251Project Identification Number: 0015566
 252 Contract Date: Feb-01-1901
 260 Seismic Number: 00000
 75A Type Work Proposed: 0- Not Applicable
 75B Work Done by: 0- Initial Inventory
 94 Bridge Improvement Cost:(X\$1,000) \$438
 95 Roadway Improvement Cost: (X\$1,000) \$44
 96 Total Improvement Cost: (X\$1,000) \$656
 76 Improvement Length: 0'
 97 Year Improvement Cost Based On: 2013
 114 Future AADT: 510
 115 Future AADT Year: 2032

Measurements:

*29 AADT: 340
 *30 AADT Year: 2012
 109 % Truck Traffic: 1
 * 28A Lanes On: 2
 *28B Lanes Under: 0
 210A Tracks On: 00
 210B Tracks Under: 0
 * 48 Maximum Span Length: 112
 * 49 Structure Length: 112
 51 Bridge Roadway Width: 23.8'
 52 Deck Width: 30.3'
 * 47 Total Horizontal Clearance: 23.8'
 50A Curb / Sidewalk Width Left: 2
 50B Curb / Sidewalk Width Right: 2
 32 Approach Rdwy. Width: 24'
***229 Approach Roadway**
Rear Shoulder Left Width: 6 *Right Width:*6 *Type:* 8 - Grass (Dirt).
Fwd Shoulder Left Width: 6 *Right Width:*6 *Type:* 8 - Grass (Dirt).
Rear Pavement Width: 24 *Type:*2- Asphalt.
Forward Pavement Width: 24 *Type:*2- Asphalt.
Intersection Rear: 0 *Forward:*0

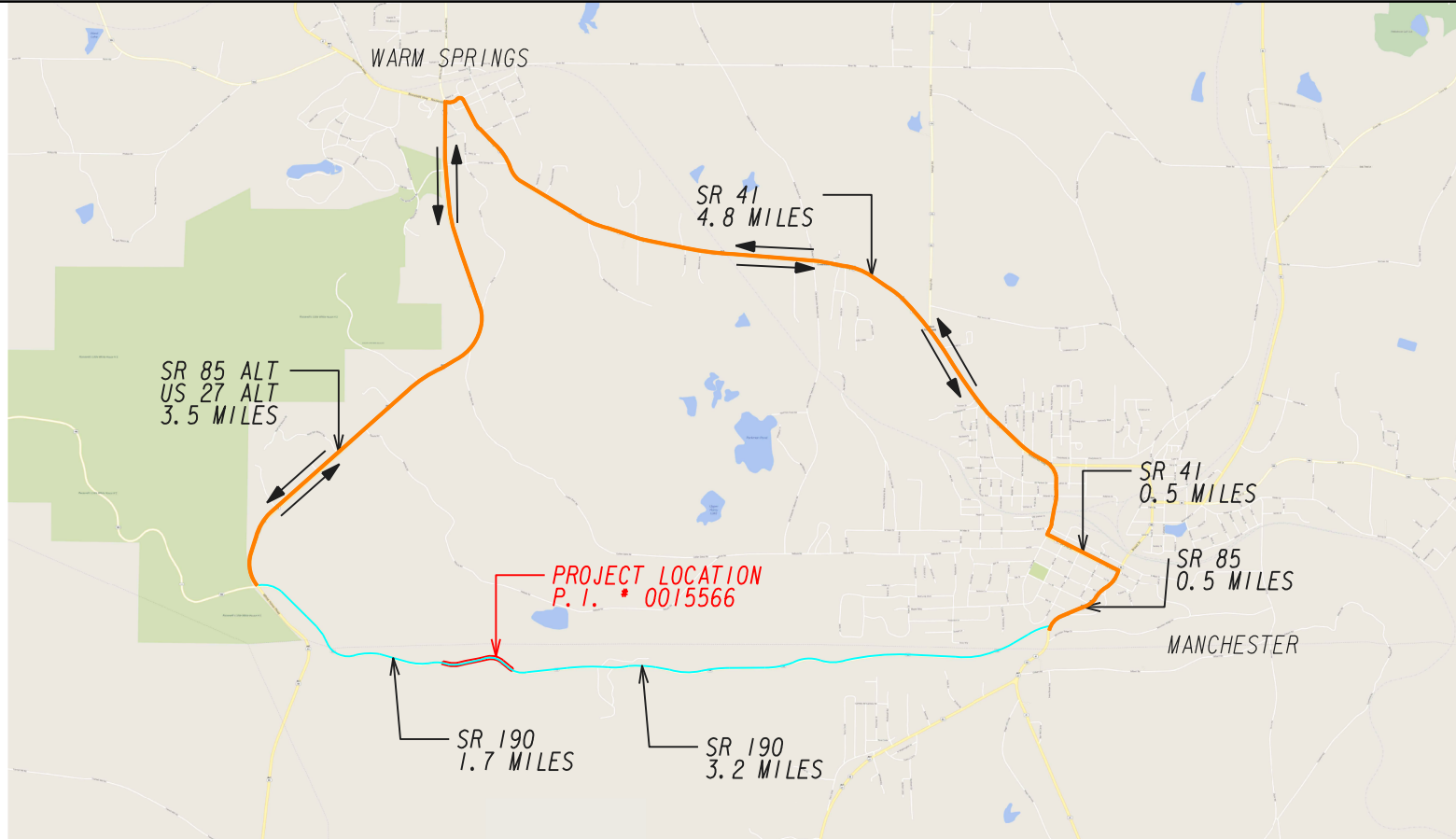
Ratings and Posting

65 Inventory Rating Method: 2-Allowable Stress (AS)
 63 Operating Rating Method: 2-Allowable Stress (AS)
 66A Inventory Type: 2 - HS loading.
 66B Inventory Rating: 23
 64A Operating Type: 2 - HS loading.
 64B Operating Rating: 41
231Calculated Loads **Posting Required**
231A H-Modified: 20 No
231B Type3/Tandem: 23 No
231C Timber: 26 No
231D HS-Modified: 24 No
231E Type 3S2: 29 No
231F Piggyback: 34 No
 261 H Inventory Rating: 15
 262 H Operating Rating: 25
 67 Structural Evaluation: 6
 58 Deck Condition: 7 - Good Condition
 59 Superstructure Condition: 7 - Good Condition
 * 227 Collision Damage:
 60A Substructure Condition: 7 - Good Condition
 60B Scour Condition: N - Not Applicable
 60C Underwater Condition: N - Not Applicable
 71 Waterway Adequacy: Not Applicable.
 61 Channel Protection Cond.: Not Applicable.
 68 Deck Geometry: 5
 69 UnderClr. Horz/Vert: N
 72 Approach Alignment: 6-Minor reduction of vehicle operating speed required.
 62 Culvert: N - Not Applicable
 70 Bridge Posting Required: 5. Equal to or above legal loads
 41 Struct Open, Posted, CL: A. Open, no restriction
 * 103 Temporary Structure: No
232 Posted Loads
232A H-Modified: 00
232B Type3/Tandem: 00
232C Timber: 00
232D HS-Modified: 00
232E Type 3s2: 00
232F Piggyback: 00
 253 Notification Date: Feb-01-1901
 258 Federal Notify Date: Feb-01-1901

Hydraulic Data

113 Scour Critical: N, Bridge not over waterway.
 216A Water Depth: 0
 216B Bridge Height: 0
 222 Slope Protection: 0
 221A Spur Dike Rear:
 221B Spur Dike Fwd:
 219 Fender System: 0- None.
 220 Dolphin:
 223A Culvert Cover: 000
 223B Culvert Type: 0- Not Applicable
 223C Number of Barrels: 0
 223D Barrel Width: 0
 223E Barrel Height: 0
 223F Culvert Length: 0
 223G Culvert Apron: 0
 39 Navigation Vertical Clearance: 0'
 40 Navigation Horizontal Clearance: 0
 116 Navigation Vertical Clear Closed: 0

53 Minimum Vertical Clearance Over Rd: 99' 99"
 54A Under Reference Feature: N- Feature not a highway or railroad.
 54B Minimum Clearance Under: 0' 0"
***228 Minimum Vertical Clearance**
228A Actual Odometer Direction: 99'99"
228B Actual Opposing Direction: 99'99"
228C Posted Odometer Direction: 00'00"
228D Posted Opposing Direction: 00'00"
 55A Lateral Underclearance Reference: N- Feature not a highway or railroad.
 55B Lateral Underclearance on Right: 0
 56 Lateral Underclearance on Left: 0
 10A Direction of Travel for Max Min: 0
 10B Max Min Vertical Clearance: 99'99"
 245A Deck Thickness Main: 7.0
 245B Deck Thickness Approach: 0
 246 Overlay Thickness: 0



PROPOSED DETOUR ROUTE:

NORMAL ROUTE: 4.9 MILES
 DETOUR ROUTE LENGTH: 9.3 MILES
 BYPASS ROUTE LENGTH: 4.4 MILES

VOLKERT

NOT TO SCALE



P.I. * 0015566
 SR 190 @ NS *718623W
 TALBOT COUNTY

**Georgia Department of Transportation
Bridge Replacement Project
Detour Impact Form for School Board
PI No. 0015566, Bridge Serial No. 263-0022-0, Talbot County**

Using the attached detour map, please respond to the questions below. Please provide as much information as you feel is necessary. Please respond to all questions – use "N/A" or "Not-known" if no relevant information to question is available. If you need additional information or mapping for this project, please contact us.

1. How many School Buses cross the bridge per day?

Number of Buses _____

Number of Trips _____

N/A

2. Please rate the impact on service if the bridge were closed for up to a year?

☐ No Concerns

☐ Moderate Concerns

☐ Major Concerns

3. If concerns were identified on # 1, please specify what they are, and be as specific as possible (Conditions of detour route, location of students, new development expected, weight restrictions, etc.). *In order for the project to continue in the Preliminary Engineering phase, any concerns regarding impact on service, must be addressed by project staff. For example, if the box for "Major Concerns" is checked, a response of N/A would not be valid.*

4. Are there any future time periods or events that you know of where bridge closure would be of particular concern? Please note the event and any details you are familiar with.

5. Is there anyone you feel we should contact specifically regarding this project? Please note their name, phone number, and reason we should contact them?

6. Are there any additional comments you have regarding the project? Are the road names referenced the names the locals would use?

Form Completed by (Name): Dr. James Catrett

(Title): Superintendent

Date: 6/11/19

☐

By checking this box, we support the bridge replacement utilizing an offsite detour.



Russell R. McMurry, P.E., Commissioner
One Georgia Center
600 West Peachtree Street, NW
Atlanta, GA 30308
(404) 631-1000 Main Office

April 22, 2019

Leigh Ann Erenheim, Director
Talbot County Emergency Management Agency
leigh_erenheim@msn.com
4333 Rush Creek Highway
Woodland, Georgia 31836

RE: Request for Comments on GDOT Bridge Replacement Project
GDOT Project PI No. 0015566, Talbot County
Project Description: SR 190 @ NS #718623W 2.5 MI W OF MANCHESTER

Dear Director Erenheim:

The Georgia Department of Transportation (GDOT) is preparing the planning and environmental studies for the above referenced bridge replacement candidate. We propose to close this bridge during its construction and replacement which may take 12 to 18 months.

The purpose of this letter is to solicit your input concerning the potential impact of the proposed project on the provision of emergency services in the area. A detour map is attached illustrating the proposed route and location of the project.

To allow us to fully evaluate the concerns of all stakeholders, please respond by email using the address below to my attention by Friday May 24, 2019. Documenting both the beneficial or adverse impacts of the proposed project as it relates to the interest of your agency is a vital part of the required environmental documentation. Your timely response is appreciated as there are several other bridges proposed for this fiscal year's cycle.

If you have any questions or comments concerning this project, please contact Vickie Wade of the Office of Program Delivery at vwade@dot.ga.gov or (404) 946-9549. Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "SHP", is written over a horizontal line.

Sean H. Pharr
Program Delivery Bridge Program Manager

PI No. 0015566, Talbot County
Bridge Replacement Project
April 22, 2019
Page | 2

AVS:KWN:CLB:DDC:JAB

Attachment: Impact Form or Emergency Medical Services (EMS)

cc: Albert V. Shelby, III, Director of Program Delivery
Kimberly Nesbitt, State Program Delivery Administrator
Chandria Brown, Asst. State Program Delivery Administrator
General Files

Georgia Department of Transportation
Bridge Replacement Project
Detour Impact Form for Emergency Medical Services (EMS)
PI No. 0015566, Bridge Serial No. 263-0022-0, Talbot County

1. Please rate the impact to Emergency Response services if the bridge were closed for up to a year.

☐ No Impact ☐ Low Impact ☒ Moderate Impact ☐ High Impact

2. If concerns were identified on # 1, please specify what they are, and be as specific as possible (examples: condition of detour routes, located in a high call volume area, closure could affect response to schools, weight restrictions, expected new development in the area, coordination with partner agency required to facilitate service). *In order for the project to continue in the Preliminary Engineering phase, any concerns regarding impact on service, must be addressed by project staff. For example, if the box for "High Impact" is checked, a response of N/A would not be valid.*

Tourist Traffic + some delay in emergency traffic to the west side of this bridge will be an issue. The delay would be by about 5 miles add on the emergency response

3. Are there any future time periods or events that you know of where bridge closure would be of particular concern? Please note the event and any details you are familiar with.

4. Is there anyone you feel we should contact specifically regarding this project? Please note their name, contact information, and reason we should contact them?

5. Are there any additional comments you have for this project? Are the road names referenced the names the locals would use?

The route 190 is called Scenic Heights in our county.

Form Completed by (Name): _____
(Title): _____
Date: _____

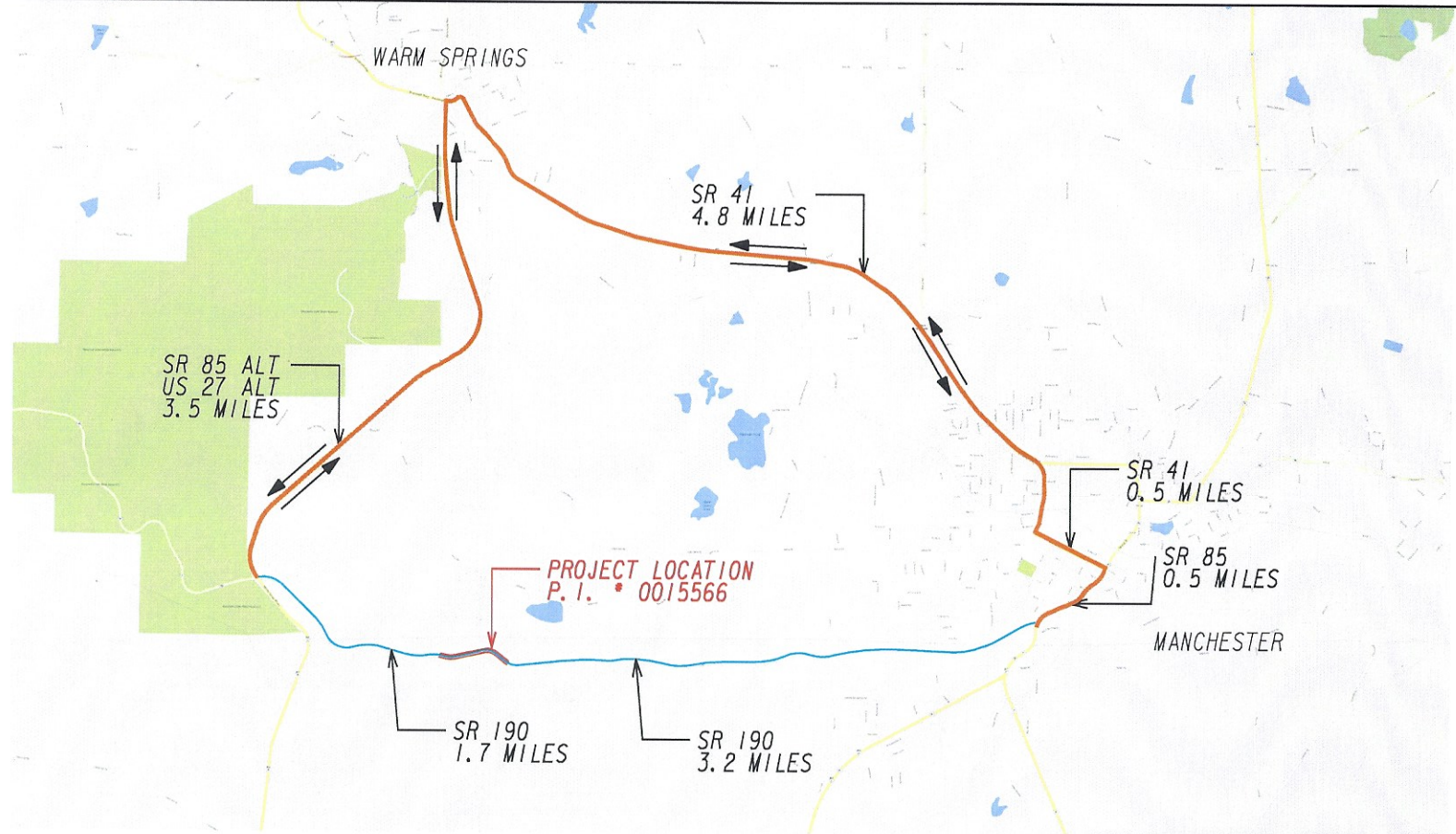


By checking this box, we support the bridge replacement utilizing an offsite detour.

3/26/2018
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0015566 Detour Map.dgn



PROPOSED DETOUR ROUTE:

NORMAL ROUTE: 4.9 MILES
DETOUR ROUTE LENGTH: 9.3 MILES
BYPASS ROUTE LENGTH: 4.4 MILES

VOLKERT

NOT TO SCALE

GDOT Georgia
Department
of Transportation

P. I. * 0015566
SR 190 @ NS * 718623W
TALBOT COUNTY



Russell R. McMurry, P.E., Commissioner
One Georgia Center
600 West Peachtree Street, NW
Atlanta, GA 30308
(404) 631-1000 Main Office

April 22, 2019

Sher'Londa Walker, Chairman
Talbot County Board of Commissioners
PO Box 155
Talbotton, GA 31827

RE: Request for Comments on GDOT Bridge Replacement Project
GDOT Project PI No. 0015566, Talbot County
Project Description: SR 190 @ NS #718623W 2.5 MI W OF MANCHESTER

Dear Chairman Walker:

The purpose of this letter is to solicit your input concerning the potential impact of the proposed project on the citizens in your community. We propose to close this bridge during its construction and replacement which may take 12 to 18 months. Please find attached a detour map showing the location of the bridge and a proposed detour route.

Since the bridge is on a locally owned and maintained route, it will be the local government's responsibility to maintain any local routes utilized for the detour. The Department will provide all necessary road closure and detour signage, in addition to maintaining any state route portion of the detour.

To allow us to fully evaluate the concerns of all stakeholders, please respond by email using the address below to my attention by Friday May 24, 2019. Documenting both the beneficial or adverse impacts of the proposed project as it relates to the interest of your agency is a vital part of the required environmental documentation. Your timely response is appreciated as there are several other bridges proposed for this fiscal year's cycle.

If you have any questions or comments concerning this project, please contact Vickie Wade of the Office of Program Delivery at vwade@dot.ga.gov or (404) 946-9549. Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Pharr", with a stylized flourish at the end.

Sean H. Pharr
Program Delivery Bridge Program Manager

PI No. 0015566, Talbot County
Bridge Replacement Project
April 22, 2019
Page | 2

AVS:KWN:CLB:DDC:JAB

Attachment: Impact Form for Local Government

cc: Albert V. Shelby, III, Director of Program Delivery
 Kimberly Nesbitt, State Program Delivery Administrator
 Chandria Brown, Asst. State Program Delivery Administrator
 Michael Presley PE, GDOT District 3 Engineer
 General Files

Georgia Department of Transportation
Bridge Replacement Project
Detour Impact Form for Local Government/County
PI No. 0015566, Bridge Serial No. 263-0022-0, Talbot County

Using the attached detour map, please respond to the questions below. Please provide as much information as you feel is necessary. Please respond to all questions – use “N/A” or “Not-known” if no relevant information to question is available. If you need additional information or mapping for this project, please contact us using the information provided in the cover letter.

1. Please quantify the number of impacts anticipated by the off-site detour shown on the attached map.

Daily Number of vehicles 400 Daily Number of Trucks 20
Number of Residences 12 Number of Businesses Not Known
Detour Length 5 miles

2. Please rate the impact on service if the bridge were closed for up to a year? (Please note that any concerns identified here must be explained in #3 below, in order for the Project Designers to address the concerns)

☐ No Concerns ☒ Moderate Concerns ☐ Major Concerns

3. **If concerns were identified** on #2. Please specify what they are below, be as specific as possible (Conditions of detour route, location of students, new development expected, weight restrictions, etc.). *In order for the project to continue in the Preliminary Engineering phase, any concerns regarding impact on service, must be addressed by project staff. For example, if the box for “Major Concerns” is checked, a response of N/A would not be valid.*

The concern would be making sure Emergency personnel are aware of the blockage and addresses that they may have to use a different route to get to. Also blocking in a manner that would prevent access to this area to make it safe for the community so no one could run through this area since it is such a deep cut.

4. Are there any future time periods or events that you know of where bridge closure would be of particular concern? Please note the event and any details you are familiar with.

Not at this time

5. Is there anyone you feel we should contact specifically regarding this project? Please note their name, phone number, and reason we should contact them? (Separate letters and detour forms have been sent to the County EMA Director and the Superintendent of Schools.)

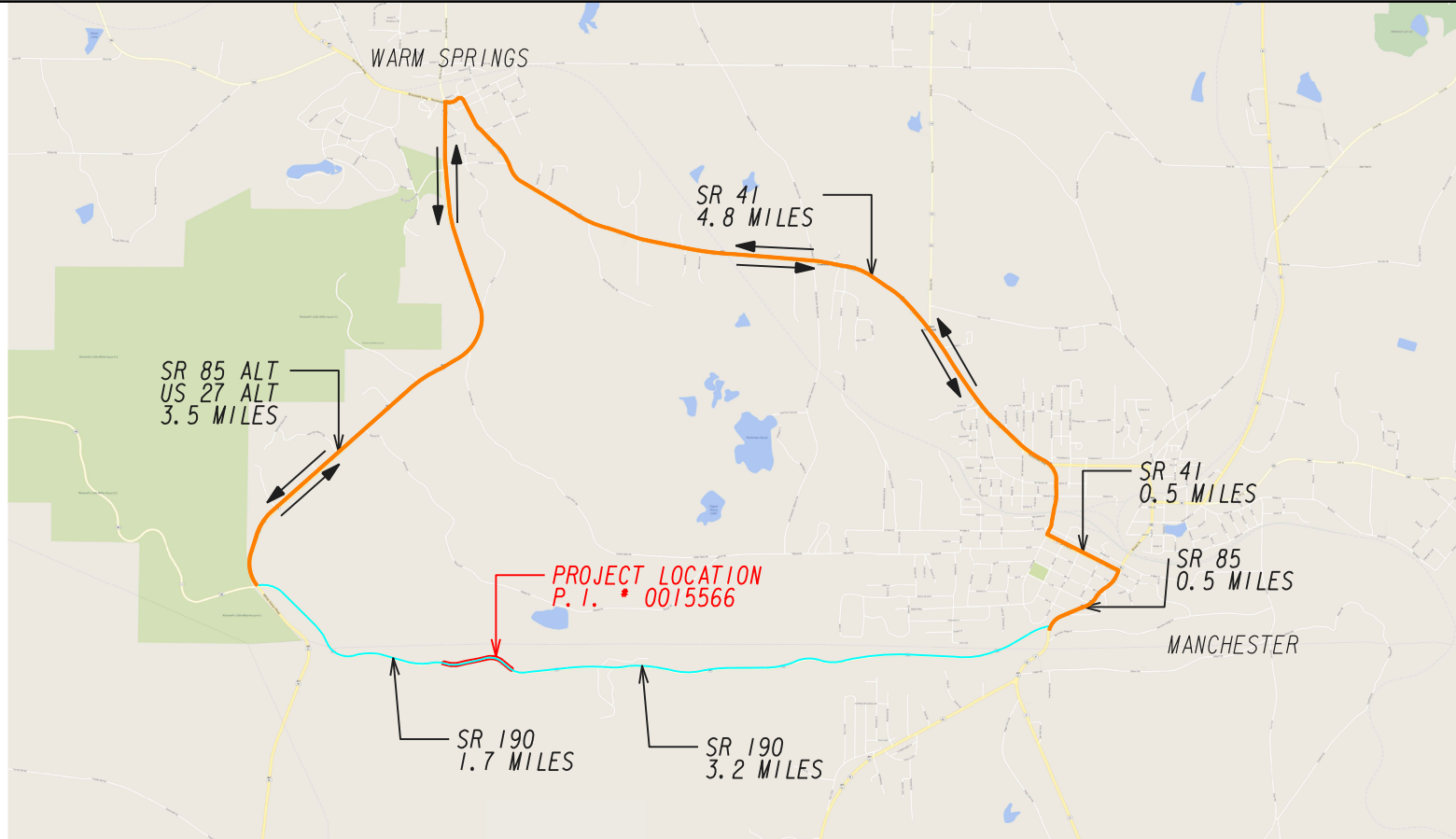
6. Are there any additional comments you have regarding the project? Are the road names referenced the names the locals would use?

7. Estimated width of existing right-of-way at bridge _____ ft

Form Completed by (Name): Sher'Londa Walker
(Title): Chairman Talbot County Board of Commissioners
Date: 6/5/19

☐

By checking this box, we support the bridge replacement utilizing an off-site detour.



PROPOSED DETOUR ROUTE:

NORMAL ROUTE: 4.9 MILES
 DETOUR ROUTE LENGTH: 9.3 MILES
 BYPASS ROUTE LENGTH: 4.4 MILES

VOLKERT

NOT TO SCALE

GDOT Georgia
Department
of Transportation

P.I. * 0015566
 SR 190 @ NS *718623W
 TALBOT COUNTY

CONCEPT MEETING MINUTES – PI 0015566, Talbot County

MEETING INFORMATION

Project Description: SR 190 @ NS #718623W 2.5 MI W OF MANCHESTER

Date: July 11, 2019 **Time:** 9:00 AM

Location: Thomaston District Office

MEETING MATERIALS

- Draft Concept Report (project layout)

AGENDA ITEMS

1. Jonathon Barnett welcomed everyone, passed around a sign-in sheet; introductions of all attendees present and via teleconference were made; and he gave a brief overview of the project. He then turned the meeting over to Ben Rabun, to discuss the project Concept Report.
2. Ben Rabun proceeded with a page turn of the Draft Concept Report. The following is a summary of comments and discussion by page:
 - Page 1: Cover Sheet/Signature page
 - Comments: none
 - Page 2: Location Map
 - Comments: none
 - Page 3: Planning and Background Data
 - Comments: It was noted that there are other projects in the area. PI 0007044, SR 85 @ CS 811/LANE STREET IN MANCHESTER, has a current Mgmt. Let Date of Oct. 2019, but will be delayed by approximately 1 year. 321880- SR 41 @ CSX RAILROAD W OF WARM SPRINGS is currently under construction.
 - Page 4: Design and Structural
 - Comments: none
 - Page 5: Design Features
 - Comments: It was recommended that the detour for PI 0007044 be considered when determining the Detour Route. It was noted that the detour routes do not conflict. However, the two projects may introduce additional traffic over the same routes. It was noted that no District personnel had concerns about the proposed detour and that the meeting minutes would serve as approval of the proposed detour.
 - Page 6: Utility and Property
 - Comments: It was noted under Railroad Involvement that the line has been abandoned. The Railroad comment from the PSR states: *"Norfolk Southern says they still own the property but that it is ABANDONED, so it can be purchased like any other property owner. NO RR COORD NEEDED."*
 - Page 7: Environmental and Permits
 - Comments: Thomas Lee, Volkert NEPA, stated that the anticipated document type was a CE. There was discussion related to the RR and other potentially historic properties. Additional discussion was held related to RW acquisition from the RR since this property is

CONCEPT MEETING MINUTES – PI 0015566, Talbot County

no longer an active line. It should be determined if RW will be acquired as Fee Simple or easement.

- Page 8: Coordination, Activities, Responsibilities, and Costs
 - Comments: RW and Utility cost estimates are being prepared and will be entered, if available at the time the report is submitted; or, labeled as TBD.
- Page 9: Alternatives Discussion
 - Comments: None
- Page 10: List of Attachments/Supporting Data
 - Comments: None
- Attachments:
 - Comments: None

3. Alternatives Discussion

The alternatives were discussed and there was general consensus that the preferred alternative was appropriate.

4. Right of Way

Adam Smith asked if the RW could be reduced/omitted and the project be handled similar to a Low Impact project. At this time, it is unknown if the limits can be reduced to remain in the existing RW. As previously noted, acquisition from the Railroad may include acquisition in Fee and not easements.

5. Stage construction

It is anticipated that the beams will be launched due to the site constraints and the depth of the crossing.

6. Environmental Analysis

Adam Smith asked if it would be reduced to a PCE. Thomas Lee noted it would most likely remain a CE.

7. Utilities on project

There are existing overhead utilities within the project limits.

8. Comments/questions (from attendees in the following order)

- Local Government Officials
 - State none in attendance
 - County none in attendance
 - City none in attendance
- Planning: none
- Programming/Financial Management: none
- Engineering Services: none
- Traffic Safety & Design: none
- Environmental: none
- District Preconstruction, Scheduling & Traffic Safety & Design: no additional
- Right of Way: none
- GDOT Utilities: none
- Individual Utility Companies none in attendance
- Other attendees: none

9. With no additional comments to be added, the meeting was adjourned.

PI 0015566 Talbot Co.
Concept Team Meeting

7/11/19

Name	Company	Email
Jonathan Burnett	GDOT OPD	jburnett@dot.ga.gov
DERRICK CAMERON	GDOT	DCAMERON@DOT.GA.GOV
Rodney Peoples	GDOT	rpeoples@dot.ga.gov
Greg Smith	GDOT	grsmith@dot.ga.gov
Adam Smith	GDOT	adsmith@dot.ga.gov
Michael Pitts	GDOT	mpitts@dot.ga.gov
Anna Ingwersen	Volkert (Env)	anna.ingwersen@volk
Thomas Lee	Volkert	thomas.lee@volkert.com
Via phone		
Nick Sittan	GoT	
Afton Tankersly	GoT	
Bradley Doughty	GoT	
Lyn Clements	GoT	
Jasen Griffith	Volkert	

Rabun, Ben

From: Peek, Tyler <tpeek@dot.ga.gov>
Sent: Friday, September 27, 2019 11:35 AM
To: Rabun, Ben; Presley, Michael
Cc: Vera, Katie; Barnett, Jonathan
Subject: RE: District Concurrence for Off-site Detour PI 0015566 SR 190 @ NS #718623 W 2.5 MI W OF MANCHESTER

Categories: BB1

We concur.

From: Rabun, Ben <ben.rabun@volkert.com>
Sent: Friday, September 27, 2019 11:00 AM
To: Presley, Michael <mpresley@dot.ga.gov>; Peek, Tyler <tpeek@dot.ga.gov>
Cc: Vera, Katie <katie.vera@volkert.com>; Barnett, Jonathan <JBarnett@dot.ga.gov>
Subject: District Concurrence for Off-site Detour PI 0015566 SR 190 @ NS #718623 W 2.5 MI W OF MANCHESTER

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Morning,
Can you please provide an email stating that the District concurs with the proposed Detour Route?
Upon receipt, the date of concurrence will be add to the limited scope concept report.

Please let me know if you need additional information.

Thank You,

Ben Rabun, P.E.
Vice President
Georgia Operations Manager
Volkert, Inc.
160 Greencastle Road, Suite A | Tyrone, GA 30290
101 Marietta Street | Suite 2210 | Atlanta, GA 30303
Phone: 678-271-0202, ext. 2601 | Cell: 770-722-5707



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